

**ABSTRACT OF THE DISCLOSURE**

A microvalve for controlling fluid flow, including a body portion having at least one opening formed therein, a shutter located adjacent to and substantially parallel with the body portion, and a drive mechanism for causing the shutter to pivot with respect to the body portion so that the shutter is brought into and out of alignment with the opening of the body portion, wherein the microvalve is in a closed position and an open position, respectively.